



IES INDOOR REPORT

PHOTOMETRIC FILENAME : PTR-22-L26-835-SA.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST]GEN FROM BALLABS TEST NO. 19272.2
 [TESTLAB] BUILDING ACOUSTICS & LIGHTING LABORATORIES, INC
 [ISSUE DATE] 01-APR-2015
 [MANUFAC] WILLIAMS INDOOR
 [OTHER] H.E. WILLIAMS, INC - CARTHAGE, MO
 [LUMINAIRE] 22"ARRAYS 2x2' RECESSED LUMINAIRE
 [MORE] WHITE REFLECTOR w/ ACRYLIC RIBBED CENTER DIFFUSER
 [MORE] EVERLINE LED DRIVER
 [LUMCAT] PTR-22-L26-835-RA-xxx-xxx
 [LAMPCAT] M700C835D72N2A
 [_SEARCH_SOURCETYPE] LED
 [_SEARCH_APPLICATION] Indoor, Classroom, Commercial, Industrial, Office, Retrofit
 [_SEARCH_MOUNTING] Recessed

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2712
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	127
Total Luminaire Watts	21.3
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.16
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	1.92 ft
Luminous Width (90-270)	1.92 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	2423	2562	2706
55	2143	2344	2544
65	1930	2277	2609
75	1476	2284	2876
85	955	2512	2563

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	1009.377	1009.377	1009.377	1009.377	1009.377
5	1004.139	1003.391	1004.139	1004.139	1004.514
10	985.059	985.808	986.930	988.426	989.175
15	941.287	942.410	945.028	949.518	951.388
20	915.473	918.092	924.078	930.812	933.805
25	844.764	848.131	860.851	865.341	869.082
30	774.055	797.251	821.943	861.225	821.195
35	696.612	702.972	718.685	734.399	741.133
40	632.638	640.120	659.200	678.655	688.008
45	585.499	594.477	619.169	643.113	653.963
50	503.192	513.667	540.230	566.044	576.894
55	420.137	431.361	459.420	487.479	498.703
60	341.198	354.666	384.596	412.655	425.001
65	278.720	294.807	328.852	361.775	376.739
70	204.270	224.846	264.877	301.915	316.506
75	130.568	156.008	202.025	239.437	254.402
80	73.328	106.998	154.886	181.448	188.557
85	28.433	58.363	74.824	75.572	76.321
90	0.000	0.000	0.000	0.000	0.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	364.09	N.A.	13.40
0-30	763.28	N.A.	28.10
0-40	1219.75	N.A.	45.00
0-60	2102.93	N.A.	77.50
0-80	2637.38	N.A.	97.20
0-90	2712.00	N.A.	100.00
10-90	2616.71	N.A.	96.50
20-40	855.67	N.A.	31.60
20-50	1326.64	N.A.	48.90
40-70	1206.00	N.A.	44.50
60-80	534.44	N.A.	19.70
70-80	211.62	N.A.	7.80
80-90	74.63	N.A.	2.80
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2712.00	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	95.30
10-20	268.79
20-30	399.19
30-40	456.48
40-50	470.98
50-60	412.20
60-70	322.82
70-80	211.62
80-90	74.63
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

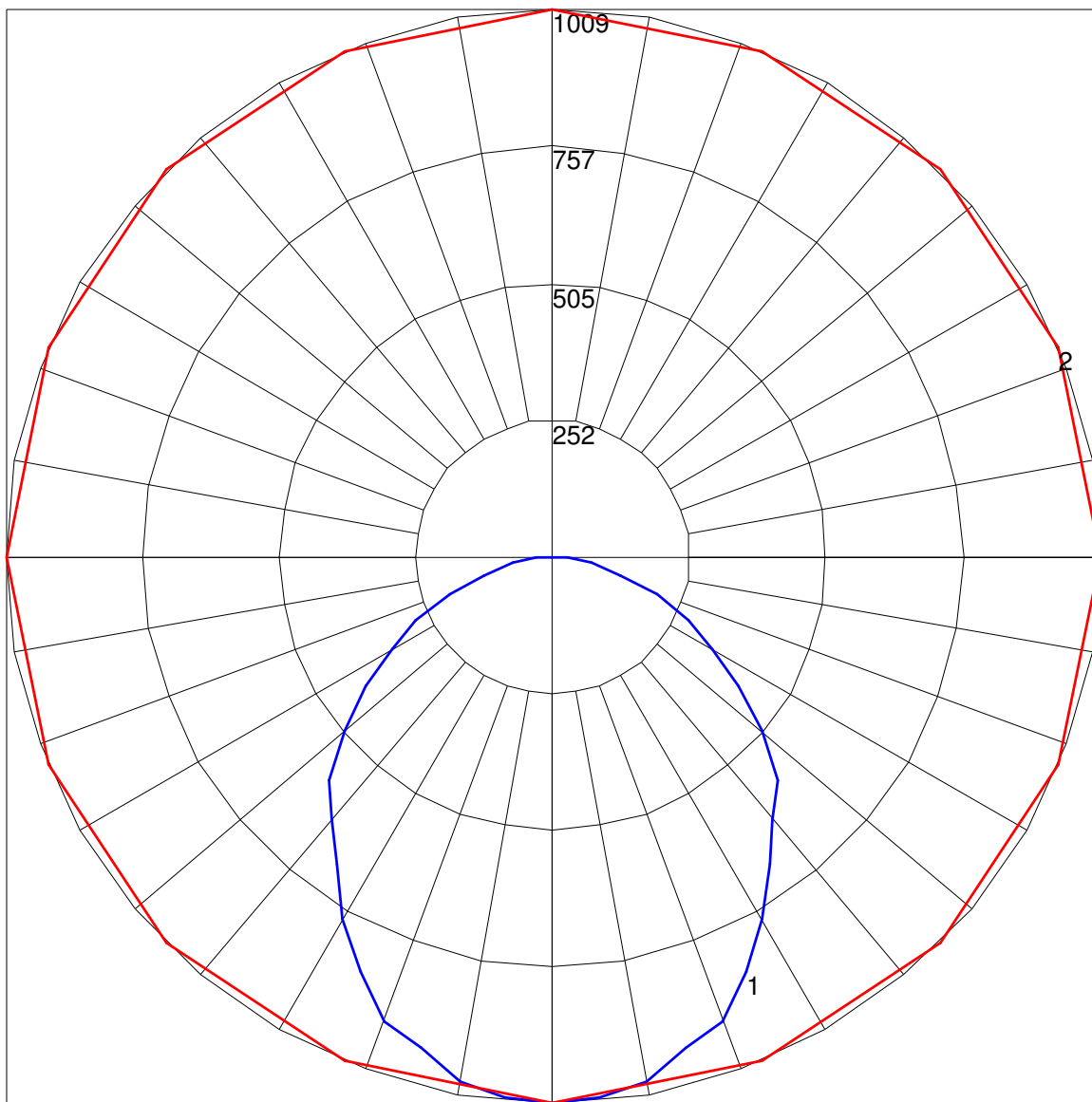
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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	67	67	67	67	65	65	65	65	62	62	62	59	59	59	57	57	57	56
1	61	58	55	53	59	57	54	52	54	52	51	52	50	49	50	49	48	46
2	55	50	46	43	54	49	46	43	47	44	42	45	43	41	44	42	40	38
3	50	44	40	36	49	43	39	36	42	38	35	40	37	34	39	36	34	32
4	46	39	34	30	45	38	34	30	37	33	30	36	32	29	34	31	29	28
5	42	35	30	26	41	34	30	26	33	29	26	32	28	26	31	28	25	24
6	39	32	27	23	38	31	26	23	30	26	23	29	25	22	28	25	22	21
7	36	29	24	20	35	28	24	20	27	23	20	27	23	20	26	22	20	19
8	34	26	21	18	33	26	21	18	25	21	18	24	21	18	24	20	18	17
9	32	24	19	16	31	24	19	16	23	19	16	23	19	16	22	19	16	15
10	30	22	18	15	29	22	18	15	21	17	15	21	17	15	20	17	15	14

POLAR GRAPH



Maximum Candela = 1009.377 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)